Data Visualization Co-op at Two Six Labs

Job Description

The Advanced Analytics Team at Two Six Labs is looking for a Data Visualization Co-op to join us for Fall 2024. You will work with us designing and developing the next generation of visualizations and user interfaces for data analysis.

Responsibilities:

As a Co-op, you will learn data visualization and human-computer interaction best practices and apply them to challenging, real-world problems. You will build interactive tools for expert users to visually analyze data. You will work on multidisciplinary project teams, which include experts from machine learning, cybersecurity, embedded systems, computing infrastructure, and physics. You will also be paired with a mentor who will encourage and support your technical growth. You will present an end-of-co-op project, and will be encouraged to publish relevant research results.

Qualifications:

- Pursuing a degree in Computer Science, Human-Computer Interaction, Data Science, or a related technical field. • Familiarity with JavaScript, Python, Java, or a comparable language.
- Knowledge of data visualization and/or human-computer interaction.
- Ability to work collaboratively and communicate results to team members.

Nice to Have:

- Familiarity with software development tools and platforms (e.g. tools like Git or webpack). • Familiarity with D3.js, Processing, Leaflet, ggplot2, or comparable data visualization frameworks. • Familiarity with web technologies (e.g. tech like HTML, CSS, WebGL, jQuery, or React).
- Knowledge of machine learning, statistical analysis, data mining, natural language processing, etc.
- Experience in a research lab or other R&D environment.

Our team:

The Advanced Analytics Team applies expertise in data visualization, machine learning, large-scale computational architectures, and simulation to solve hard research challenges in high impact areas including cybersecurity, biological systems, and distributed sensor platforms. We've built visual malware analysis systems, access control policy diffing tools, a prototype to visualize graphs with millions of nodes, and visualizations to monitor city-scale sensor networks. Our team values

creativity, initiative, collaboration, and diversity. We strive for a fun and collegial atmosphere that encourages intellectual crosspollination and professional growth. In short, we are passionate about empowering our customer's missions and enjoy working together at the leading edge of technology!